

**Abstract of the Disclosure**

A system for and method of automating the execution of a data stream transformation project. The various embodiments described employ a trainable user interface translator application to record and manipulate data streams between a prospect's terminal emulation software and one or more prospect applications to be transformed. A remote user in communication with the prospect may observe prospect terminal screen displays, and optionally insert data, such as synchronization data into the recorded data streams. The user inserts the recorded data streams information into a targeted procedures model, which may be reviewed for approval by the prospect.